

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-12 (canceled).

Claim 13 (currently amended): A method for optically pumping a light amplifying medium, comprising:

wherein at optically pumping with at least one light source is used for optically pumping the amplifying medium;

reflecting the light from the source with a wall of a diffusive reflector encircling and the amplifying medium; is encircled by a reflector, a wall of the reflector is configured to reflect the light from the source, wherein the reflector is partly or totally diffusive and
sending a beam directly stemming from the source is sent towards the wall of the diffusive reflector so that this the beam undergoes successive partly or totally diffusive reflections thereon and the amplifying medium is placed out of this the beam directly stemming sent from the source so that this the amplifying medium is optically pumped by the sole light reflected by the wall of the partly or totally diffusive reflector.

Claim 14 (currently amended): An optical pumping module comprising:
a light amplifying medium,
at least one light source for optically pumping the amplifying medium, and
a diffusive reflector which encircles the amplifying medium, and the the reflector including a wall of the reflector is configured to reflect light from the source,
wherein the reflector is partly or totally diffusive and the source is orientated so as to send a beam directly stemming from this the source towards the wall of the reflector so that

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this the beam undergoes successive partly or totally diffusive reflections thereon and the amplifying medium is placed out of this the beam directly stemming sent from the source toward the wall so that this the amplifying medium is optically pumped by the sole light reflected by the wall of the partly or totally diffusive reflector.

Claim 15 (currently amended): The module according to claim 14, wherein the amplifying medium forms a cylindrical rod with a substantially circular base, the light source is for transverse optical pumping of this the medium, and the wall of the diffusive reflector forms a cylinder with generatrices parallel to an axis of the amplifying medium.

Claim 16 (currently amended): The module according to claim 15, wherein the diffusive reflector has substantially a same length as the amplifying medium.

Claim 17 (currently amended): The module according to claim 15, wherein the base of the cylinder formed by the wall of the diffusive reflector is selected from substantially regular polygons, ellipses, and circles.

Claim 18 (previously added): The module according to claim 15, wherein the light source is a light emitter and this light emitter is selected from a laser diode, a laser diode array parallel to generatrices of the cylinder formed by the wall of the diffusive reflector, a row of laser diode arrays parallel to generatrices of the cylinder formed by the wall of the diffusive reflector, a stack of laser diode arrays parallel to generatrices of the cylinder formed by the wall of the diffusive reflector, and a combination of the a row of laser diode arrays parallel to generatrices of the cylinder formed by the wall of the diffusive reflector and

~~the a stack of laser diode arrays , the arrays being parallel to the generatrices of the cylinder formed by the wall of the diffusive reflector.~~

Claim 19 (currently amended): The module according to claim 15, further comprising ~~several plural~~ blocks, each block comprising a planar face, configured to reflect the light from the source in a ~~partly or totally~~ diffusive way manner,

wherein ~~the a~~ base of the cylinder formed by the wall of the diffusive reflector is a substantially regular polygon, ~~this the~~ wall thereby comprising ~~several plural~~ sides, each of the sides being formed by two respective planar faces of two adjacent blocks.

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Claim 20 (currently amended): The module according to claim 19, wherein the light source is placed in a gap formed between two adjacent blocks of the plural blocks in such a way that the light emerges from a space formed between the respective planar faces of ~~these~~ the two adjacent blocks and reaches the wall of the diffusive reflector.

Claim 21 (currently amended): The module according to claim 18, further comprising: ~~several plural~~ blocks, each block comprising a planar face, configured to reflect the light from the source in a ~~partly or totally~~ diffusive way manner,

wherein ~~the a~~ base of the cylinder formed by the wall of the diffusive reflector is a substantially regular polygon, ~~this the~~ wall thereby comprising several sides, each of the sides being formed by two respective planar faces of two adjacent blocks,

wherein the light source is placed in a gap formed between two adjacent blocks of the plural blocks in such a way that the light emerges from a space formed between the respective planar faces of ~~these~~ the two adjacent blocks and reaches the wall of the diffusive reflector, and

wherein both blocks are electrically conducting and the laser diode or the laser diode arrays are electrically powered by these the two blocks.

Claim 22 (previously added): The module according to claim 14, wherein the light source is a light emitter.

Claim 23 (currently amended): The module according to claim 14, wherein the light source is comprises a light propagation means, having one end of which is for receiving the light from a light emitter and another end of which is for sending this the received light towards the wall of the diffusive reflector.

Claim 24 (previously added): The module according to claim 14, wherein the diffusive reflector is quasi-lambertian.

Claim 25 (new): The method according to claim 13, wherein the wall of the diffusive reflector comprises a diffusive ceramic.

Claim 26 (new): The method according to claim 13, wherein the wall of the diffusive reflector comprises a diffusive polymer.

Claim 27 (new): The method according to claim 13, wherein the wall of the diffusive reflector comprises a sandblasted metal.

Claim 28 (new): The method according to claim 13, where in the wall of the diffusive reflector comprises means for diffusing the light from the source.

Claim 29 (new): The module according to claim 14, wherein the wall of the diffusive reflector comprises a diffusive ceramic.

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Claim 30 (new): The module according to claim 14, wherein the wall of the diffusive reflector comprises a diffusive polymer.

Claim 31 (new): The module according to claim 14, wherein the wall of the diffusive reflector comprises a sandblasted metal.

Claim 32 (new): The method according to claim 14, where in the wall of the diffusive reflector comprises means for diffusing the light from the source.
